CAN/ULC-S662:2009-REV1
(Including Revision 1)

STANDARD FOR FACTORY-BUILT GREASE DUCTS

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Ottawa, Ontario K2P 0B4
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Copies of this National Standard of Canada may be ordered from ULC Standards.

CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET ANGLAISE

Standard for Factory-Built Grease Ducts, CAN/ULC-S662

First Edition, Dated August 1, 2009

Summary of Topics

This revision of CAN/ULC-S662 dated November 11, 2021 includes a change in requirements to remove ULC-S650 references; 1.1 and Appendix A

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated July 2, 2021.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD. IN THOSE INSTANCES, THE RELEVANT VERSIONS ARE AVAILABLE FOR PURCHASE.

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CAN/ULC-S662:2009-REV1

STANDARD FOR FACTORY-BUILT GREASE DUCTS

ICS 91.140.30; 97.040.20

FIRST EDITION . . . . . AUGUST 2009
Reaffirmed . . . . . April 21, 2021
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APPENDIX A (INFORMATIVE) INDEX OF REFERENCED STANDARDS

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ULC STANDARDS COMMITTEE ON KITCHEN EXHAUST EQUIPMENT AND SYSTEMS

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M. Skierkiewicz	UL LLC	USA	Testing & Standards Organization
D. Haithcock (Associated Member)	Underwriters Laboratories Inc	USA	Non-Voting
N. Weeks (Project Manager)	Underwriters Laboratories Inc.	USA	Non-Voting

This list represents the membership at the time the Committee balloted on the final text of this edition. Since that time, changes in the membership may have occurred.

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REFERENCE PUBLICATIONS

The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard.

Documents Published by the American Society for Testing and Materials (ASTM)
100 Barr Harbour Drive, PO Box C700, West Conshohocken, PA 19428-2959 U.S.A
Telephone: (610) 832-9585
www.astm.org

• ASTM D412-06, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension

• ASTM D573-04, Standard Test Method for Rubber – Deterioration in an Air Oven

• ASTM D3183-02, Standard Practice for Rubber – Preparation of Pieces for Test Purposes from Products

• ASTM D3767-03, Standard Practice for Rubber – Measurement of Dimensions

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Documents Published by the National Fire Protection Association (NFPA)
1 Batterymarch Park, Quincy, MA U.S.A
Telephone: (800) 344-3555
www.nfpa.org

• NFPA 96, Standard for Ventilation Control and Fire protection of Commercial Cooking Operations

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Codes Published by the National Research Council of Canada
1200 Montreal Road, Building M-58, Ottawa, ON K1A 0R6
Telephone: (800) 672-7990
www.nrc-cnrc.gc.ca

• National Building Code of Canada, 2005

• National Fire Code of Canada, 2006

Documents Published by Underwriters Laboratories of Canada (ULC)
7 Underwriters Road, Toronto, ON M1R 3B4 Canada
Telephone: (416) 757-3611 or 1-866-9373-ULC
www.ulc.ca

• CAN/ULC-S114-05, Standard Method of Test for Determination of Non-combustibility in Building Materials

• CAN/ULC-S144-09, Standard Method of Fire Resistance Test – Grease Duct Assemblies

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PREFACE

This is the First Edition of the Standard for Factory-Built Grease Ducts, CAN/ULC-S662.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Kitchen Exhaust Equipment and Systems.

This Standard has been developed in compliance with the requirements of SCC for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendix A, identified as Informative, is for information purposes only.

In Canada, there are two official languages, French and English. All safety warnings must be in English and French. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This CAN/ULC-S662 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com/canada.

This Standard is intended to be used for conformity assessment.

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1 SCOPE

1.1 These requirements cover factory-built grease ducts and grease duct assemblies that are intended to be installed as alternatives to the grease ducts constructed of all welded 1.37 mm carbon steel or 1.09 mm stainless steel required by NFPA 96, Standard for Ventilation Control and Fire protection of Commercial Cooking Operations.

1.2 Grease ducts covered by these requirements are intended to be installed in a fire rated enclosure when required by the provincial or territorial regulations or bylaws, or in the absence of those requirements by the National Building Code of Canada.

1.3 Grease duct assemblies that penetrate fire rated assemblies which do not require the protection of a fire rated enclosure are covered by the requirements contained in CAN/ULC-S144, Standard Method of Fire Resistance Test – Grease Duct Assemblies.

2 TERMINOLOGY

2.1 The term grease duct, as used in these requirements, refers to all grease ducts and grease duct assemblies and any part thereof covered by these requirements unless specifically noted otherwise.

3 GLOSSARY

NOTE: Terms used in this Standard that are in *italic* print are defined as follows:

ACCESS DOOR – A door or cover plate that when opened provides a means for cleaning the grease duct.

CAPPED TEES – A part of a grease duct shaped like a "T" that supports and/or connects the duct to the hood or vertical section. An access door or cap is provided to facilitate cleaning.

COMBUSTIBLE MATERIAL – A material that fails to meet the acceptance criteria of CAN/ULC-S114, Standard Method of Test for Determination of Non-Combustibility in Building Materials.

NOTE: See definition for Non-combustible Material.

FITTINGS – Accessories intended for specific purposes such as fire suppression piping, instrumentation conduit and the like.

GREASE TRAP – A cup-like or U-shaped part provided on a grease duct that is intended to accumulate grease for removal by personnel.

NON-COMBUSTIBLE MATERIAL – A material that meets the acceptance criteria of CAN/ULC-S114, Standard Method of Test for Determination of Non-Combustibility in Building Materials.

THIMBLE – The part of a grease duct that is intended to provide a means for routing the grease duct assembly through a combustible wall.

4 CONSTRUCTION

4.1 MATERIALS

4.1.1 A grease duct part shall be made of non-combustible corrosion-resistant materials. Metals shall not be used in combinations at any location within the assembly that are capable of causing galvanic action.

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